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(54) Title: METHOD FOR IMPROVING THE OZONE STABILITY OF AN INKJET RECORDING ELEMENT

(57) Abstract: The present invention relates to a method for improving the ozone stability of an inkjet recording element. The present invention consists in using at least one sulfonic polystyrene or one of its sulfonate salts in an inkjet recording element, said element comprising a support and at least one ink-receiving layer including at least one hydrosoluble binder and inorganic fillers, for improving the ozone stability of said element.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B41M/00 C09D129/04 C09D189/04
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 94/02325 A (DU PONT) 3 February 1994 (1994-02-03) claims; examples 1,4,5 -----	1-9
Y	FR 2 259 166 A (ALLIED CHEM) 22 August 1975 (1975-08-22) claims -----	1-9
A	US 5 674 654 A (BRADY BRIAN KENNETH ET AL) 7 October 1997 (1997-10-07) claims -----	1

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INTERNATIONAL SEARCH REPORT

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Patent document cited in search report	Publication date		Patent family member(s)	Publication date	
WO 9402325	A	03-02-1994	CA EP JP WO US	2139932 A1 0651701 A1 7507974 T 9402325 A1 5418042 A	03-02-1994 10-05-1995 07-09-1995 03-02-1994 23-05-1995
FR 2259166	A	22-08-1975	CA DE FR GB IT JP	1056094 A1 2501467 A1 2259166 A1 1478221 A 1027294 B 50104255 A	05-06-1979 31-07-1975 22-08-1975 29-06-1977 20-11-1978 18-08-1975
US 5674654	A	07-10-1997	DE DE EP JP	69718117 D1 69718117 T2 0831365 A1 10148910 A	06-02-2003 21-08-2003 25-03-1998 02-06-1998